

Title (en)

A heat exchanger particularly for air-conditioning a cabinet for containing electrical apparatus

Title (de)

Wärmetauscher insbesondere für die Klimaanlage eines, elektrische Einrichtungen aufnehmenden, Schrankes

Title (fr)

Echangeur de chaleur en particulier pour le conditionnement d'air d'une armoire d'appareillage électrique

Publication

EP 0723121 A3 19970226 (EN)

Application

EP 96100827 A 19960122

Priority

IT TO950016 U 19950120

Abstract (en)

[origin: EP0723121A2] A heat exchanger (1) in which a first casing (19a) is disposed within a second casing (5) and delimits, within the interior of the second casing (5) itself, two lateral chambers (23, 24) able to communicate with the interior of a cabinet (3) to be air-conditioned; the first casing (19a) has two side walls (20, 21), a water collection vessel (25) connected to the side walls (20, 21) in a fluid tight sealing manner, and a cover (32) releasably coupled to the side walls (20, 21) and to the vessel (25) in a sealed manner; the first casing (19a) housing a heat exchanger unit (35) being disposed in a position raised with respect to the vessel (25), a dividing partition (41) extending between the heat exchanger unit (35) and a bottom wall (26) of the vessel (25) to define an inlet chamber (42) and an outlet chamber (44) each communicating with an associated lateral chamber (23, 24) and each housing an associated single flow deflector screen (46, 47) fixedly connected to the cover (32). <IMAGE>

IPC 1-7

F24F 13/30; F24F 13/22

IPC 8 full level

F24F 13/22 (2006.01); **F24F 13/30** (2006.01)

CPC (source: EP)

F24F 13/22 (2013.01); **F24F 13/30** (2013.01)

Citation (search report)

- [A] FR 2648306 A1 19901214 - SUEDEDEUTSCHE KUEHLER BEHR [DE]
- [A] DE 4008838 C1 19910516
- [A] DE 8805202 U1 19890615
- [A] EP 0057411 A2 19820811 - TOKYO SHIBAURA ELECTRIC CO [JP]

Cited by

CN114812014A; CN114963303A; ES2160447A1

Designated contracting state (EPC)

AT BE DE FR GB

DOCDB simple family (publication)

EP 0723121 A2 19960724; EP 0723121 A3 19970226; IT 235765 Y1 20000718; IT TO950016 U1 19960720; IT TO950016 V0 19950120

DOCDB simple family (application)

EP 96100827 A 19960122; IT TO950016 U 19950120